

## MD20xx

### Handheld Laser Barcode Scanner



- Ergonomic, snappy and stylish design
- Suitable to operate in diverse working environment
- Read all major 1D symbols
- Maximal decode resolution at 3mil or 5mil
- Infra-red auto-induction
- Mirror surface reflection cancellation
- Support RS-232, USB Keyboard, USB virtual COM
- Ready for all POS systems
- Easy firmware upgrade

# Technical Specifications

## Mechanical

Dimensions	Height × Width × Depth: 76 mm × 66.5 mm × 168 mm
Weight	121 g, without cable
Cable	Straight 2.0 m
Connector type	RJ-45 phone jack connector
Case material	ABS
Exit window material	PC
Indicator	Beeper, LED
Interface supported	RS-232, USB Keyboard, USB virtual COM

## Electrical

Input voltage	5 VDC ± 0.25 V
Power	525 mW (Operating); 850 mW (Max.)
Current	30 mA (Standby); 105 mA (Operating); 170 mA (Max.)

## Scan Performance

Laser	630-650 nm laser diode
Decoding rate	200 times/sec
Scanning angle	±65°, ±70°, ±42° (Skew, Pitch, Roll)
Print contrast	25% minimum reflection difference
Decode capability	UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8, ISBN (Bookland EAN), ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Codabar (NW7), Code128,UCC/EAN 128 (GS1-128), ISBT 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, China Post, GS1 DataBar (formerly RSS) variants, Telepen

	(1 mil = 0.0254 mm)
	3 mil: 27 - 65 mm
	4 mil: 27 - 60 mm
Decoding depth & Min. element width	5 mil: 18 - 132 mm
	10 mil: 10 - 320 mm
	13 mil: 16 - 380 mm
	15 mil: 13 - 500 mm
	20 mil: 19 - 620 mm
	30 mil: 25 - 770 mm

## Environmental

Temperature	0° to 50°C (32° to 122°F), Operating; -40° to 60°C (-40° to 140°F), Storage
Humidity	5% to 95% (non-condensing)
Safety	Laser safety: EN60825-1, Class 1 EMC: EN55022, EN55024 Electrical safety: EN60950-1 Drop resistance: 30 times 2.0 m (6.5 ft) drops to concrete Sealing: IP50

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